

## Rabbit RIG-I Polyclonal Antibody | anti-RIG-I antibody

RABBIT ANTI RIG-I

|                              |                       |                                                           |
|------------------------------|-----------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA50077</b> | HOST<br><b>Rabbit</b> | APPLICATIONS<br><b>Western Blot, Immunohistochemistry</b> |
|------------------------------|-----------------------|-----------------------------------------------------------|

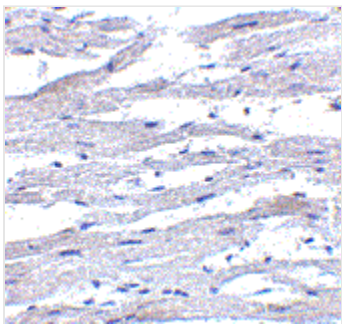
### PRODUCT SYNONYMS

RIG-I; Polyclonal Antibody; RABBIT ANTI RIG-I; anti-RIG-I antibody

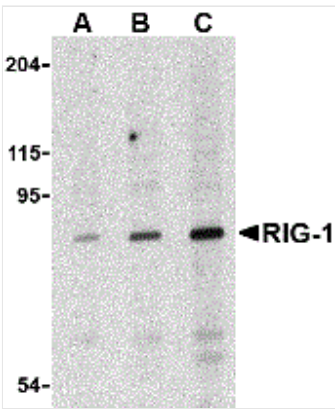
### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                      |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Rabbit                                                                                                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                           |
| Isotype                                         | IgG                                                                                                                                                                                                                                                                                  |
| Form/Format                                     | Purified<br>Purified IgG - liquid                                                                                                                                                                                                                                                    |
| Concentration                                   | IgG concentration 1.0mg/ml (varies by lot)                                                                                                                                                                                                                                           |
| Sequence Length                                 | 925                                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-RIG-I antibody | WB (Western Blot), IHC (Immunohistochemistry)                                                                                                                                                                                                                                        |
| Perservative Stabilisers                        | 0.02% Sodium Azide (NaN <sub>3</sub> )                                                                                                                                                                                                                                               |
| Immunogen                                       | Human GST-tagged RIG-1 protein.<br>Histology Positive Control Tissue                                                                                                                                                                                                                 |
| Antiserum Preparation                           | Antisera to human RIG-I were raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG prepared from whole serum by affinity chromatography.                                                                                                             |
| Target Species                                  | Human                                                                                                                                                                                                                                                                                |
| Preparation and Storage                         | Store at 4 degree C or at -20 degree C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use. Shelf Life: 18 months from date of despatch. |

IMAGES



**Application Data**  
Immunohistochemical staining of human heart with Rabbit anti Human RIG-1



**Application Data**  
Western blot analysis of whole cell lysate from C2C12 mouse myoblast cells probed with Rabbit anti Human RIG-1 at 0.5(A), 1(B) and 2(C) ug/ml

ADDITIONAL INFORMATION

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| <b>Related Product Information for anti-RIG-I antibody</b> | Rabbit anti RIG-I antibody recognizes human Retinoic acid-inducible gene 1 protein (RIG-I), also known as RIG-1 or DEAD-box protein 58. RIG-I is a receptor found in the cytoplasm that recognizes viral RNA from replicating viruses in infected cells. Upon activation with intracellular RNA, a cascade is triggered resulting in the activation of NF-kappa-B, and the eventual induction of antiviral cytokines such as IFN-beta and RANTES. RIG-I is essential for the production of interferons in response to RNA viruses and as such play a key role in innate immunity. |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                  |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 27881482                                                                                                                                                                                                         |
| NCBI GeneID                      | 23586                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_055129.2                                                                                                                                                                                                      |
| NCBI GenBank Nucleotide #        | NM_014314.3                                                                                                                                                                                                      |
| UniProt Accession #              | O95786; Q5HYE1; Q5VYT1; Q9NT04; A2RU81                                                                                                                                                                           |
| Molecular Weight                 | 101,377 Da                                                                                                                                                                                                       |
| NCBI Official Full Name          | probable ATP-dependent RNA helicase DDX58                                                                                                                                                                        |
| NCBI Official Synonym Full Names | DEAD (Asp-Glu-Ala-Asp) box polypeptide 58                                                                                                                                                                        |
| NCBI Official Symbol             | DDX58                                                                                                                                                                                                            |
| NCBI Official Synonym Symbols    | RIGI; RIG-I; RLR-1                                                                                                                                                                                               |
| NCBI Protein Information         | probable ATP-dependent RNA helicase DDX58; DEAD box protein 58; DEAD/H (Asp-Glu-Ala-Asp/His) box polypeptide; RNA helicase RIG-I; retinoic acid-inducible gene 1 protein; retinoic acid-inducible gene I protein |
| UniProt Protein Name             | Probable ATP-dependent RNA helicase DDX58                                                                                                                                                                        |
| UniProt Gene Name                | DDX58                                                                                                                                                                                                            |
| UniProt Synonym Gene Names       | RLR-1; RIG-1; RIG-I                                                                                                                                                                                              |
| UniProt Entry Name               | DDX58_HUMAN                                                                                                                                                                                                      |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.